

20000705.qrp v01\_n873.qrl.20000705

Date: Wed, 5 Jul 2000 19:03:10 EDT

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 1873

### QRP-L Digest 1873

Topics covered in this issue include:

- 1) [74241] Re: Weller Soldering station at radioshack.com  
by "Randy Joiner" <biggman@accucomm.net>
- 2) [74242] Hamfest info needed  
by Pete Burbank <plburbank@kih.net>
- 3) [74243] Re: If I had only one antenna.  
by "Cla KA0GKC" <ka0gkc@arrl.net>
- 4) [74244] Re: If I had only one antenna.  
by "John Moriarity" <k6qq@hdo.net>
- 5) [74245] L-antenna  
by ARDUJENSKI@aol.com
- 6) [74246] RE: Best one wire Antenna  
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- 7) [74247] Baluns and Antenna Tuners  
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by "K7FD-N7SG" <cqdx@teleport.com>
- 11) [74251] Re: Power Sonic batteries.  
by Pete Burbank <plburbank@kih.net>
- 12) [74252] CALIBRATION  
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by Michael C Boatright <ko4wx@mindspring.com>
- 15) [74255] re: mfj971 mods and RF burns  
by bob evinger <wd9eka@arrl.net>
- 16) [74256] ARK4 xcvr SOLD !  
by "Alan Fryer" <n3bj@hotmail.com>
- 17) [74257] Re: One wire antenna ?  
by "Pastor-KC1DI" <elbc@pivot.net>
- 18) [74258] FS: QRP "Three- Bander"  
by "Alan Fryer" <n3bj@hotmail.com>
- 19) [74259] Trade for QRP Rig

- by Doug Bankston <dougbankston1@yahoo.com>
- 20) [74260] Re: Baluns and Antenna Tuners  
by "Karl F. Larsen" <k5di@zianet.com>
- 21) [74261] Re: CALIBRATION  
by "Karl F. Larsen" <k5di@zianet.com>
- 22) [74262] Re: Q signals - Nets  
by "Edward A Kwik jr" <eakwikjr@hti.com>
- 23) [74263] Re: AA4XX to Hawaii  
by Paul Stroud <aa4xx@ipass.net>
- 24) [74264] WM-2 Questions  
by Ed Lawson <elawson@lawson-philpot.com>
- 25) [74265] Weller iron tips  
by Robert McAtee <w5tnj@camalott.com>
- 26) [74266] Summer Fox Hunt Teams  
by Bruce Rattray <rattray@gpfn.sk.ca>
- 27) [74267] First Summer FOX tomorrow evening  
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
- 28) [74268] Small Meter Needed  
by Richard Arland <k7sz@epix.net>
- 29) [74269] Re: Diodes for Mixers  
by "laura halliday" <marsgal42@hotmail.com>
- 30) [74270] Re: QRP Rig Survey  
by Monte Stark <ku7y@dri.edu>
- 31) [74271] baluns  
by Anthony Felino <anthony@pacinfosb.com>
- 32) [74272] Re: Baluns and Antenna Tuners  
by "Mike Branca" <w3irz@att.net>
- 33) [74273] Re: [Elecraft] Field Day rule adjustment proposal  
by "Paul Helbert, Wv3j" <phelbert@rica.net>
- 34) [74274] Re: Diodes for Mixers  
by "Bruce Kizerian" <kizerian@ced.utah.edu>
- 35) [74275] Re: First Summer FOX tomorrow evening  
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
- 36) [74276] Re: [Elecraft] Field Day rule adjustment proposal  
by "J. Ervin Bates" <w8erv@email.msn.com>
- 37) [74277] Re: Field Day rule adjustment proposal  
by Mike <mmorrow@companet.net>
- 38) [74278] Re: First Summer FOX tomorrow evening  
by "Edward A Kwik jr" <eakwikjr@hti.com>
- 39) [74279] MFJ Noise Bridge  
by "Karl F. Larsen" <k5di@zianet.com>
- 40) [74280] Re: If I had only one antenna.  
by NB6M@aol.com
- 41) [74281] Re: First Summer FOX tomorrow evening  
by "Karl F. Larsen" <k5di@zianet.com>
- 42) [74282] RFI: Hi-Mound MK-706 Paddles  
by "Rod, N0RC" <n0rc@qsl.net>
- 43) [74283] results of improvised 10.7mhz source

by Christian Void <cvoid@netcom.com>  
44) [74284] Re: One wire antenna ?  
by Charlie Panek <charlie\_paneke@agilent.com>  
45) [74285] CLUB: NOVA-QRP to meet on Saturday  
by Wb4jjj@aol.com  
46) [74286] SMiTe Hunt - Disaster on July 2nd  
by "Harvey Mitchell" <Harvey.Mitchell@enron.com>  
47) [74287] Help: DSW-40  
by Halpern <morgantruce@homemail.com>  
48) [74288] HAMFEST: Austin Summerfest  
by Glen Reid <k5fx@flash.net>  
49) [74289] last items for sale  
by Scott Howell <n3byy@speakeasy.org>  
50) [74290] Re: [Elecraft] Field Day rule adjustment proposal  
by "Mike Yetsko" <myetsko@insydesw.com>  
51) [74291] Be ready next Sunday  
by Jim Hale <kj5tf@yahoo.com>  
52) [74292] Re: AA4XX to Hawaii  
by Paul Stroud <aa4xx@ipass.net>  
53) [74293] RE]First Summer FOX tomorrow evening  
by "Wilford D. Lindsey" <70511.3041@compuserve.com>  
54) [74294] Re: Field Day rule adjustment proposal  
by "Steven Weber" <kd1jv@moose.ncia.net>  
55) [74295] FS: OHR 400  
by "Jim Johnson" <km7h@kvi.fanz.net>  
56) [74296] Re: [Elecraft] Field Day rule adjustment proposal  
by "Karl F. Larsen" <k5di@zianet.com>  
57) [74297] Great LCD Shack/FD Clock  
by Kw4cz@aol.com  
58) [74298] circuit board update..  
by "sergio" <sergio@village-buzz.com>  
59) [74299] Re: Great LCD Shack/FD Clock  
by Mike <mmorrow@companet.net>  
60) [74300] Re: Field Day rule adjustment proposal  
by Monte Stark <ku7y@dri.edu>  
61) [74301] Re: Field Day rule adjustment proposal  
by "Mike Yetsko" <myetsko@insydesw.com>  
62) [74302] Re: Help: DSW-40  
by "Wife's Husband" <hubby2k@hotmail.com>  
63) [74303] Re: Field Day rule adjustment proposal  
by Mike <mmorrow@companet.net>  
64) [74304] Altoids tins  
by "Daniel" <hamop@pixi.com>  
65) [74305] Re: Field Day rule adjustment proposal  
by "Mike Yetsko" <myetsko@insydesw.com>  
66) [74306] Ten Tec Argosy 2 (Digital Display 525) Mod's Please....!  
by "Andy GM0NWI" <Gm0nwi@tesco.net>  
67) [74307] OT:Need webvideo help for sick person

by Michael Bower <bowerm@ix.netcom.com>

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Date: Tue, 4 Jul 2000 19:15:06 -0400  
From: "Randy Joiner" <biggman@accucomm.net>  
To: <qrp-1@Lehigh.EDU>  
Subject: [74241] Re: Weller Soldering station at radioshack.com  
Message-ID: <004c01bfe60d\$b147cfa0\$cc819bce@accucomm.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Now I'm not affiliated with RS at all, but the Weller soldering station normally list for more in my Techni-Tool and Wassco catalogs than it's normal price at RS. Just for kicks I looked in the Newark catalog and lo and behold.....same model number.....\$189.95. I know where I ain't getting one!

Randy N4SX

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Date: Tue, 04 Jul 2000 19:55:41 -0400  
From: Pete Burbank <plburbank@kih.net>  
To: <qrp-1@Lehigh.EDU>  
Subject: [74242] Hamfest info needed  
Message-ID: <3.0.32.20000704195538.0068589c@kih.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Gangue,  
My brother NL7IE and myself will be driving from central Ky to SW Oklahoma the first week in November. Any info about hamfests or surplus emporiums along the way would be much appreciated.  
73 to all  
Pete NV4V

-----  
Date: Tue, 4 Jul 2000 18:53:16 -0500  
From: "Cla KA0GKC" <ka0gkc@arrl.net>  
To: "QRP-1" <qrp-1@lehigh.edu>, "John Moriarity" <k6qq@hdo.net>  
Subject: [74243] Re: If I had only one antenna.  
Message-ID: <004401bfe613\$22549980\$0200000a@mcg.net>

----- Original Message -----

From: "John Moriarity" <k6qq@hdo.net>

| Cla,

|

| Even a 1:1 balun is risky (in terms of losses) unless  
| you know the range of impedances it will see and design  
| it accordingly.

I'm sorry, but a good 1:1 choke balun properly sized for the power lowest frequency isn't a bit risky as losses go. The 4:1 toriod wound baluns can create problems if you stray to far from their design impedances. A balanced tuner will probably save you at most a few tenths of a dB over a 1:1 choke balun. So if you have the unbalanced tuner, replacing it for a tenth of a dB is probably not cost effective to most hams. I know it's not to me.

73 de Cla KA0GKC

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Date: Tue, 4 Jul 2000 17:06:41 -0700

From: "John Moriarity" <k6qq@hdo.net>

To: <ka0gkc@arrl.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Subject: [74244] Re: If I had only one antenna.

Message-ID: <01f501bfe614\$e7843980\$de414cd1@k6qq>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

> I'm sorry, but a good 1:1 choke balun properly sized for the power  
lowest  
> frequency isn't a bit risky as losses go.

Sorry, Cla, I missed the word "choke" in your post

73,

John, K6QQ

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Date: Tue, 4 Jul 2000 20:08:12 EDT  
From: ARDUJENSKI@aol.com  
To: qrp-l@lehigh.edu  
Subject: [74245] L-antenna  
Message-ID: <64.44ca92f.2693d66c@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

Well, Had the opportunity to try a few variations on the DK9SQ mast and found that the simplest antenna seemed to work the best. I fumbled around for a while with the inverted vee (32 ft legs) and finally got it up and running. It worked fine but out of curiosity I hooked up the dipole in another fashion--an L. It can also be called a one-legged 40M vertical, or a 1/2 wave 20M vertical or the lazy-mans dipole (smile).

It worked well on several bands (20M in particular--should be no surprise). I am sure adding a few more radials would give some improvement but hey--this did a super job. I will probably carry a few radials just in case. BTW. the mast was mounted on a pvc tripod so the bottom of the L was elevated about 5 ft. I used RG-58U for feed line. Rig was QRP+ and Companion.

For field ops this antenna plus the portable inverted halfsquare will be my main artillery--QRP AFIELD I am ready--

Alan KB7MBI

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Date: Tue, 4 Jul 2000 19:35:26 -0500  
From: Nick Kennedy <nkennedy@tcainternet.com>  
To: "'kc8aon@juno.com'" <kc8aon@juno.com>, Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [74246] RE: Best one wire Antenna  
Message-ID: <01BFE5EF.01FA7980.nkennedy@tcainternet.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Content-Transfer-Encoding: 7bit

The best wire antenna that I have used so far is 178 feet long, fed at the center with 450 ohm ladderline, terminating in to a 1:1 choke balun and 8 feet of RG8 coax to the MFJ-989 tuner.

73...Rick McKee KC8AON { CW lives as long as I do ! }

Interesting, that's about the same think I'm using--180 foot "big dipole" fed with 450 ohm ladderline going into a Johnson Matchbox. Does fine on 80 thru 10 meters. I don't use a balun, but maybe with a matchbox you don't need one.

We used two of these at right angles, relay switched, on Field Day. Made 1295 QSOs on CW on 80 thru 10 (150 watt class).

Before I caught Matchbox Fever, I was planning to go with the W6RCA design for that "one antenna - all bands" antenna. It's a 130 foot dipole. He uses relays to allow switching in lengths of feedline of 1, 2, 4, 8, & 16 feet, so you can choose any feeder length adder from 1 to 31 feet in 1 foot increments. This allows a less than 2:1 SWR on any band 80 thru 10 meters with no tuner. He makes a transition to coax and uses a choke balun.

Seems like a pretty clever design. See it at <http://people.delphi.com/CecilMoore/mystery.htm>.

Oh yeah--on my 180 foot antenna. (I've been told not to call it a dipole, not to call it a doublet, and that there's no such thing as a center fed Zepp, so I don't know what to call it.) Anyway, there are programs that will give the feedpoint impedance of a dipole at any frequency. And there are programs or formulae that will give the transformed impedance at the end of a feedline, given length, type and input impedance. I used those programs to find a length of feedline that would give a "reasonable" impedance at the shack end on all, or almost all bands. I think that made my tuner's job a bit easier.

72--Nick, WA5BDU  
in Arkansas  
and hoping to have my KT-34A up, one of these days.

-----  
Date: Tue, 04 Jul 2000 19:51:32 -0600  
From: "James R. Duffey" <jamesd1@flash.net>  
To: qrp-l <qrp-l@lehigh.edu>  
Subject: [74247] Baluns and Antenna Tuners  
Message-ID: <B587F031.1745%jamesd1@flash.net>  
Mime-version: 1.0  
Content-type: text/plain; charset="US-ASCII"  
Content-transfer-encoding: 7bit

All - I have been interested in the 'one best antenna' thread that has morphed into the "best balun" thread.

I recommend the 1:1 balun instead of a 4:1 balun at an antenna tuner output for a simple reason. Most antenna tuners match better into a high impedance load than into a low impedance load. When the antenna is used on frequencies

on which the impedance is low (a half wavelength or less in length), then the 1:1 balun is preferred. At higher frequencies it probably doesn't matter much. At lower frequencies (like using a 80 M dipole at 160 M, or a 30 M dipole on 40 M) it probably makes a bigger difference.

The balun loss will be more or less the same in either case since the balun is not working into its design impedance. The antenna tuner loss will probably be worse with the 4:1 balun at low frequencies than with the 1:1 balun at higher frequencies.

I am not saying the 4:1 won't work. It will, but the 1:1 will probably give better results for many applications. If you are having problems matching your 80 M antenna on 160 M you may wish to replace your 4:1 balun with a 1:1 balun.

The balanced tuners, Z-match and Johnson MatchBox, avoid all this balun discussion.

I will also be at Ft. Tuthill. See you for an eyeball Karl? - Dr. Megacycle  
KK6MC/5

--

James R. Duffey KK6MC/5  
30 Casa Loma Road  
Cedar Crest, NM 87008

-----  
Date: Tue, 04 Jul 2000 16:34:49 -0500  
From: Robert McAtee <w5tnj@camalott.com>  
To: qrp-l@lehigh.edu  
Subject: [74248] Power Sonic batteries.  
Message-ID: <3.0.3.32.20000704163449.007c2c50@mail.camalott.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

I agree with Charles about Power Sonic batteries. I have bought 3 PS1220 2.2AH batteries over the years. About \$18-22. Using in a bag cell phone, a backup for my HT and to power my QRP rigs. There nice folks to talk with also. They quickly gave me the date of mfg from the date code on one I wasn't sure of via e-mail. ==Mac== AG5F

-----  
Date: Tue, 4 Jul 2000 22:09:10 EDT  
From: Wa3ptg@aol.com  
To: qrp-l@lehigh.edu  
Subject: [74249] Re: If I had only one antenna.



Message-ID: <bb.4d95fd5.2693f2c6@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

OK, I have only one antenna, used exclusively at QRP levels.

A twisted-vee-sort-of-dipole, for 40 meters, up about 30 feet at the center and drooping down to about 15 feet at the ends. The way it's oriented -- the only way it can fit on the lot -- precludes open-wire feedline.

What I tried to do was add a 20 meter dipole to the mess, using the same feedline as the 40 meter antenna. Needless to say, it didn't work, even with a tuner. Did I mention the shack is on the second story, and ungrounded?

I can see two ways to go from here. The first is to get the common-feedline setup working. I understand that the presence of the 40 meter element will influence the 20 meter element, making the 20 meter element shorter. How much shorter? Inches? Several feet?

The other way is to run 2 feedlines out to the tree, one for each band, and mount the 20 meter dipole 1 foot under the 40 meter dipole. Would this possibly work?

Both of the antennas fall into the "crummy" category, but at least it's outside. Anybody have any ideas???

72 DE WA3PTG  
Harry (Hap) Hurst NJQRP-EPAQRP  
Wilmington DE QRP-L #1464

-----  
Date: Tue, 4 Jul 2000 19:15:49 -0700  
From: "K7FD-N7SG" <cqdx@teleport.com>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [74250] Re: If I had only one antenna.  
Message-ID: <008601bfe626\$f0e74fa0\$52231ad8@default>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Are you gull-ible? Here's the only antenna that comes w/ a built in bird wattmeter!

<http://www.teleport.com/~cqdx/gull.htm>

Have a Happy Fourth! Light fuse and get away!

73 John K7FD

-----  
Date: Tue, 04 Jul 2000 22:52:51 -0400  
From: Pete Burbank <plburbank@kih.net>  
To: <qrp-l@Lehigh.EDU>  
Subject: [74251] Re: Power Sonic batteries.  
Message-ID: <3.0.32.20000704225247.0074ff68@kih.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

At 04:34 PM 7/4/00 -0500, you wrote:

>I agree with Charles about Power Sonic batteries. I have bought 3 PS1220  
>2.2AH batteries over the years. About \$18-22. Using in a bag cell phone, a  
>backup for my HT and to power my QRP rigs. There nice folks to talk with  
>also. They quickly gave me the date of mfg from the date code on one I  
>wasn't sure of via e-mail. ==Mac== AG5F

I agree about the Power Sonic (whatever that means) batteries.  
I took very good care of 7 premie baby incubators used in  
helicopter transport for several years that powered an "ICU  
in a shoebox" developed at Stanford. The current drain in the winter  
was a real strain on the batteries. The choppers refused to carry  
the original design of lead acid motorcycle (in case the chopper  
turned upside down I guess) so the vendor switched to sealed  
lead calcium batteries from Eagle-Pitcher. I can't remember the  
exact problem with the American batteries but we switched to  
Yuasa and Powersonic with great results.  
We went thru about 300 batteries per year and tested each batch  
carefully because lives were at stake.  
One thing that really kills these batteries is discharging below  
10 volts.(in the case of a 12 V battery).  
73 Pete NV4V

-----  
Date: Tue, 4 Jul 2000 23:04:30 EDT  
From: RangerSF5@aol.com  
To: qrp-l@lehigh.edu  
Subject: [74252] CALIBRATION  
Message-ID: <69.72e2d71.2693ffbe@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"

Content-Transfer-Encoding: 7bit

#### CALIBRATION

a parody of the song Celebration  
written and performed by Kool & The Gang

new lyrics by Greg Crowther

Calibration is the act of referencing one's experimental measurements to  
an  
external standard. It usually entails analyzing samples of known  
composition  
(sometimes called "standards") and verifying that these measured values  
are  
consistent with those obtained previously. The calibration process is  
often  
considered dull or tedious, but it doesn't have to be....

Calibrate that 'scope, come on!  
Calibrate that slope, come on!

There's a problem with the data we've seen:  
We don't know what those numbers really mean.  
So bring your standards and your notebook too;  
We're gonna calibrate your equipment with you.  
Come on, now.  
Calibration.  
Let's all calibrate and have a good time.  
Calibration.  
Let's plot these points and hope they form a straight line.

It's time to convert Volts to pressure.  
It's up to you; what's your measure?  
Everyone around the lab, come on!  
It's a calibration.  
Calibrate that chart, come on!  
It's a calibration.  
Calibrate that part, come on!  
Let's calibrate.

There's a signal coming out right here:  
Let's quantify it; I need a volunteer.  
Get your ruler and your pencil too;  
We're gonna calibrate your equipment with you.  
Come on, now.

Calibration.  
Let's all calibrate and have a good time.  
Calibration.  
Looks like the gain\* is thirty-seven point nine.

It's time to convert Volts to pressure.  
It's up to you; what's your measure?  
Everyone around the lab, come on!  
It's a calibration.  
It's a calibration.  
Calibrate that box, come on!  
Let's calibrate.  
Calibrate those clocks, come on!  
Let's calibrate.

We're gonna put these values on a graph.  
Let's calibrate; do the math.  
We're gonna put these values on a graph.  
Let's calibrate; do the math.  
Baby, we're gonna put these values on a graph.  
Let's calibrate; do the math.  
We're gonna put these values on a graph.  
Let's calibrate; do the math.

Calibrate those lines, come on!  
Let's calibrate.  
Calibrate three times, come on!  
It's a calibration.

\*The gain of a device is a ratio of magnitudes: the output signal  
divided by  
the input signal.

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Date: Tue, 4 Jul 2000 23:21:01 -0400  
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>  
To: QRP-L Discussion Group <QRP-L@Lehigh.edu>  
Subject: [74253] TKS for 3A/OH4GN data  
Message-ID: <200007042324\_MC2-AB12-1414@compuserve.com>  
MIME-Version: 1.0  
Content-Transfer-Encoding: 7bit  
Content-Type: text/plain;  
charset=us-ascii  
Content-Disposition: inline

Gang:

Wow, thanks to everyone who has written with the QSL info for 3A/0H4GN. The response has been absolutely overwhelming. Gosh, I never get over how helpful everyone is on this reflector. Hope I can return the favour someday.

72/73,

--W.D. (Doc) Lindsey

DSBF

PO Box 6028

Bismarck, ND 58506

(Shipping = DSBF, 2020 Lovett Ave, Bismarck, ND, 58504)

E-Mail = K0EVZ@arrl.net

-----  
Date: Tue, 04 Jul 2000 23:23:43 -0400

From: Michael C Boatright <ko4wx@mindspring.com>

To: NOGA QRP Club <nogaqrp@qth.net>, QRP-L <qrp-l@Lehigh.EDU>

Subject: [74254] July Spartan Sprint

Message-ID: <3962AA3F.BBBB6ACA@mindspring.com>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Well,

I've heard it said, "don't ever try to move a ham-shack." Don't you know it! Just moved into our new house in Decatur, GA (still Atlanta) last weekend, but you don't think that'd stop me from the SP, did you?

Thanks and kudos to Sam, AE4GX, Pickett, AD4S and Rick, K4RAB for coming over after the NOGAQRP meeting on Saturday for a good old-fashioned antenna party. Wow, with Sam's ultrasuperduperplywoodandrubberhose slingshot, we got my G5RV at least 40' in the air--the apex is probably another 10' higher than that! Man, this is the best wire antenna I've ever gotten in the air!

Only on for an hour. Incredible number of signals on 20M, but not too many calling CQ. I think I was running my DSW-20 on about 11V so I'm sure I was below 1W output. Still, I worked four stations. Do you get points for setting up the station during the contest period as well as operating?

Silliness aside, it just goes to show you what fine individuals QRP'ers are. It was probably 95 degrees Saturday afternoon in Atlanta, and I'm

sure the guys had other stuff to do (we'd spent the past 4 hours hanging out at r\$.com and Krystal). QRP'ers are a great bunch of folks, and we got the cream of the crop in NOGAQRP!

1001 NF9K RCV 549 MN 1W SNT 599 GA 1W  
1025 K0FX RCV 339 IA 5W SNT 559 GA 1W  
1037 K6RE RCV 55N AZ 5W SNT 599 GA 1W  
1058 W0QQQ RCV 559 CA 1W SNT 559 GA 1W

72 DE Mike, K04WX

--

Mike Boatright, K04WX  
Assistant Section Emergency Coordinator,  
GA Section Amateur Radio Emergency Service

A rock pile ceases to be a rock pile the moment a single man  
contemplates it, bearing within him the image of a cathedral.  
Antoine de Saint-Exupery

-----

Date: Tue, 04 Jul 2000 22:48:47 -0500  
From: bob evinger <wd9eka@arrl.net>  
To: qrp <qrp-l@lehigh.edu>  
Subject: [74255] re: mfj971 mods and RF burns  
Message-ID: <3962B01F.DD27653D@arrl.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

A mod that I did to my 971 was to rewire the function of the power level switch on the back. I never had need for the 30 watt position. I am either running qrp or I am running 100 watts ( Usually the 100 watts is on MARS frequencies ). It involves cutting a couple of traces and then jumpering but have been a much happier camper since doing that.

Concerning RF burns from the knobs that someone mentioned with in the last week. Up until this morning I can say I had never experienced them. However, I put up a new antenna this weeked and finally got it live this morning. Not sure what to call

it.

It is not exactly an off center fed dipole. I have about 8 foot of wire on the ground side of the coax and close to 300 feet of wire on the other side. I didn't have any balanced line so am feeding it with coax for now. While trying to load it on 160 meters I managed to get nailed pretty hard off of the set screw. Had the tuner for probably 2 or 3 years and today was the first instance of me getting bit.

Probably going to end up getting a larger tuner at least for the shack since the 971 just doesn't quite cut it for 160 meters. I can get this long wirish antenna to load about anywhere else I need it to though. Can't wait to try it out on some of the other bands.

72  
bob

--

Bob Evinger WD9EKA Marshall, Illinois  
If Guns Cause Crime, Then Matches Cause Arson.

-----  
Date: Wed, 05 Jul 2000 02:36:12 PDT  
From: "Alan Fryer" <n3bj@hotmail.com>  
To: qrp-l@lehigh.edu  
Cc: forsale-swap@qth.net, qrp@qth.net  
Subject: [74256] ARK4 xcvr SOLD !  
Message-ID: <20000705093612.23788.qmail@hotmail.com>  
Mime-Version: 1.0  
Content-Type: text/plain; format=flowed

The ARK4 xcvr has been sold. Thanks to all that responded.

Alan, N3BJ

-----  
Get Your Private, Free E-mail from MSN Hotmail at <http://www.hotmail.com>  
-----

Date: Wed, 5 Jul 2000 06:19:32 -0400  
 From: "Pastor-KC1DI" <elbc@pivot.net>  
 To: <kc8aon@juno.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
 Subject: [74257] Re: One wire antenna ?  
 Message-ID: <007101bfe66a\$83ac6b20\$1b10a1d0@elbc>  
 MIME-Version: 1.0  
 Content-Type: text/plain;  
     charset="iso-8859-1"  
 Content-Transfer-Encoding: 7bit

This is basically an ajusted G5RV. Works ok here on 40 , 20 . But 17 and 10 meters don't play that well with it ..

----- Original Message -----

From: "Rick McKee" <kc8aon@juno.com>  
 To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
 Sent: Tuesday, July 04, 2000 6:36 PM  
 Subject: One wire antenna ?

> Has anyone on the list ever used the antenna designed by Brian Austin,  
 > ZS6BKV ? It is supposed to cover several bands without a tuner and  
 > matches 50 ohm coax. It is 90' 3'' long fed at the center with 40' of  
 > 450 ohm window line terminating into 50 ohm coax any length to the  
 > transciever. If I remember right, it is supposed to cover 40, 20, 17, 12  
 > & 10 meters. I don't know what portions of the bands it covers or how  
 > much of each band it covers - just that it is supposed to work into a 50  
 > ohm feedline. I guess it would work other bands also with the use of a  
 > tuner. I would like to hear about the performance of this antenna if  
 > anyone has used one.

```

>
>               45' 1.5''                               45' 1.5''
> {{{}}-----{{{}}-----{{{}}}
>
>                                     H
>                                     H
>                                     H
>                                     H  40' of 450 ohm window line
>                                     H
>                                     H
>                                     H
>                                     [[[]]  1:1 Balun
>                                     [[[]]===== 50 ohm coax

```

> any  
 >  
 >                length to rig  
 >  
 > Try to mount it at least 42' above ground for best results.



>  
> 73...Rick McKee KC8A0N { CW lives as long as I do ! }  
> Willow Wood,Ohio "oo's"  
> AR QRP # 269 QRP-L # 2112 ZOMBIE # 718 FPqrp # 33  
> TriState BrassPounders # 1  
>  
>  
> -----  
> YOU'RE PAYING TOO MUCH FOR THE INTERNET!  
> Juno now offers FREE Internet Access!  
> Try it today - there's no risk! For your FREE software, visit:  
> <http://dl.www.juno.com/get/tagj>.  
>

-----  
Date: Wed, 05 Jul 2000 03:21:36 PDT  
From: "Alan Fryer" <n3bj@hotmail.com>  
To: qrp-l@lehigh.edu  
Cc: qrp@qth.net, forsale-swap@qth.net  
Subject: [74258] FS: QRP "Three- Bander"  
Message-ID: <20000705102136.67045.qmail@hotmail.com>  
Mime-Version: 1.0  
Content-Type: text/plain; format=flowed

For Sale: QRP "Three-Bander" from 10/89 QST article by Zack Lau. High quality PCB, well constructed. Currently set up on 15M, can be put on 17M or 12M with proper xtals. Features independent VXO control of transmitter and receiver, spotting control. Runs up to 4 watts out with MRF-237 final. Works fine, in case.

\$54 shipped

Alan, N3BJ

-----  
Get Your Private, Free E-mail from MSN Hotmail at <http://www.hotmail.com>

-----  
Date: Wed, 5 Jul 2000 05:50:07 -0700 (PDT)  
From: Doug Bankston <dougbankston1@yahoo.com>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [74259] Trade for QRP Rig  
Message-ID: <20000705125007.5132.qmail@web4301.mail.yahoo.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

Good Morning all,

I have a rig to trade for a qrp xcvr:

Drake TR-4 with matching speaker/PS and hand mic.  
It's in pretty good shape, works fine and has booming audio....

Not sure exactly what I want to trade for, I just want to trade for a qrp xcvr of equal value. All offers considered. The drake is a nice radio and looks good in the shack, but I operate qrp in the outdoors so much that the TR4 doesn't get much use anymore.

If anyone is interested, in trading pse reply to me at this address, or my main e-mail address  
w4idw@yahoo.com  
Thanks.  
Doug Bankston W4IDW  
Stafford, Virginia

-----  
Do You Yahoo!?

Kick off your party with Yahoo! Invites.  
<http://invites.yahoo.com/>

-----  
Date: Wed, 5 Jul 2000 07:15:02 -0600 (MDT)  
From: "Karl F. Larsen" <k5di@zianet.com>  
To: "James R. Duffey" <jamesd1@flash.net>  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [74260] Re: Baluns and Antenna Tuners  
Message-ID: <Pine.LNX.4.10.10007050705480.785-100000@cannac.ampr.org>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Yes James, a lot of people have not heard that the new core materials work as we see in all the transistorized radios we use...and in the MFJ tuners we all use.

I was influenced by MFJ and they use a 4:1 balun. The impedances I measure

are lower than they would be if I reconfigured for a 1:1 but not sure I want to. At 80 and 40 meters the feedpoint impedance in 50 ohm coax is 19.2 +j45 and 34.5 +j10.2 which are pretty easy to match.

Measurements were made with a MFJ-202B noise bridge.

On Tue, 4 Jul 2000, James R. Duffey wrote:

> All - I have been interested in the 'one best antenna' thread that has  
> morphed into the "best balun" thread.  
>  
> I recommend the 1:1 balun instead of a 4:1 balun at an antenna tuner output  
> for a simple reason. Most antenna tuners match better into a high impedance  
> load than into a low impedance load. When the antenna is used on frequencies  
> on which the impedance is low (a half wavelength or less in length), then  
> the 1:1 balun is preferred. At higher frequencies it probably doesn't matter  
> much. At lower frequencies (like using a 80 M dipole at 160 M, or a 30 M  
> dipole on 40 M) it probably makes a bigger difference.  
>  
> The balun loss will be more or less the same in either case since the balun  
> is not working into its design impedance. The antenna tuner loss will  
> probably be worse with the 4:1 balun at low frequencies than with the 1:1  
> balun at higher frequencies.  
>  
> I am not saying the 4:1 won't work. It will, but the 1:1 will probably give  
> better results for many applications. If you are having problems matching  
> your 80 M antenna on 160 M you may wish to replace your 4:1 balun with a  
> 1:1 balun.  
>  
> The balanced tuners, Z-match and Johnson MatchBox, avoid all this balun  
> discussion.  
>  
> I will also be at Ft. Tuthill. See you for an eyeball Karl? - Dr. Megacycle  
> KK6MC/5  
> --  
> James R. Duffey KK6MC/5  
> 30 Casa Loma Road  
> Cedar Crest, NM 87008  
>  
>  
>

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

-----  
Date: Wed, 5 Jul 2000 07:32:29 -0600 (MDT)  
From: "Karl F. Larsen" <k5di@zianet.com>  
To: RangerSF5@aol.com  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [74261] Re: CALIBRATION  
Message-ID: <Pine.LNX.4.10.10007050730450.785-1000000@cannac.ampr.org>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Next time you use your noise bridge or MFJ antenna analyzer first look at your cantenna (50ohms) and see if your measurement device READS 50 ohms. If it doesn't fix it.

On Tue, 4 Jul 2000 RangerSF5@aol.com wrote:

> CALIBRATION  
> a parody of the song Celebration  
> written and performed by Kool & The Gang  
>  
> new lyrics by Greg Crowther  
>  
> Calibration is the act of referencing one's experimental measurements to  
>  
> an  
> external standard. It usually entails analyzing samples of known  
> composition  
> (sometimes called "standards") and verifying that these measured values  
> are  
> consistent with those obtained previously. The calibration process is  
> often  
> considered dull or tedious, but it doesn't have to be....  
>  
>  
>  
> Calibrate that 'scope, come on!  
> Calibrate that slope, come on!  
>  
> There's a problem with the data we've seen:  
> We don't know what those numbers really mean.  
> So bring your standards and your notebook too;  
> We're gonna calibrate your equipment with you.  
> Come on, now.  
> Calibration.  
> Let's all calibrate and have a good time.

> Calibration.  
> Let's plot these points and hope they form a straight line.  
>  
> It's time to convert Volts to pressure.  
> It's up to you; what's your measure?  
> Everyone around the lab, come on!  
> It's a calibration.  
> Calibrate that chart, come on!  
> It's a calibration.  
> Calibrate that part, come on!  
> Let's calibrate.  
>  
> There's a signal coming out right here:  
> Let's quantify it; I need a volunteer.  
> Get your ruler and your pencil too;  
> We're gonna calibrate your equipment with you.  
> Come on, now.  
> Calibration.  
> Let's all calibrate and have a good time.  
> Calibration.  
> Looks like the gain\* is thirty-seven point nine.  
>  
> It's time to convert Volts to pressure.  
> It's up to you; what's your measure?  
> Everyone around the lab, come on!  
> It's a calibration.  
> It's a calibration.  
> Calibrate that box, come on!  
> Let's calibrate.  
> Calibrate those clocks, come on!  
> Let's calibrate.  
>  
> We're gonna put these values on a graph.  
> Let's calibrate; do the math.  
> We're gonna put these values on a graph.  
> Let's calibrate; do the math.  
> Baby, we're gonna put these values on a graph.  
> Let's calibrate; do the math.  
> We're gonna put these values on a graph.  
> Let's calibrate; do the math.  
>  
> Calibrate those lines, come on!  
> Let's calibrate.  
> Calibrate three times, come on!  
> It's a calibration.  
>  
>  
>

> \*The gain of a device is a ratio of magnitudes: the output signal  
> divided by  
> the input signal.  
>  
>  
>

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

-----  
Date: Wed, 05 Jul 2000 09:39:25 -0400  
From: "Edward A Kwik jr" <eakwikjr@hti.com>  
To: QRP-L Discussion <qrp-l@Lehigh.EDU>  
Subject: [74262] Re: Q signals - Nets  
Message-ID: <39633A8D.4E057F26@hti.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Thanks everyone for all of the info on Q signals. After reviewing all the info it looks like the link below is the best bet. The structure that NC7W describes for the Wilderness Net will be used as a guide for the Michigan QRP Net. We had one check in last night. Conditions were fair. I expect most QRPers who were not doing Fourth of July stuff were working the Michigan QRP Holiday Sprint. I worked three QRP DX stations on 20 early in the contest. A LZ, HP1AC (nice to work you again Cam), and a GM who wants to build a original NC20. Just a reminder that the Michigan QRP Net meets each Tuesday night at 9:00 PM EDT ( 0100 UTC Wednesday) on 80 meters at 3.535.

Ed AB8DF

Robert Armstrong wrote:

>  
> You might get some ideas of how to use the common "QN" signals for CW nets  
> from reading this:  
>  
> [http://www.natworld.com/ars/pages/back\\_issues/0600\\_text/nets.html](http://www.natworld.com/ars/pages/back_issues/0600_text/nets.html)  
>  
> Bob, N7XJ

-----  
Date: Wed, 05 Jul 2000 09:55:55 -0400

From: Paul Stroud <aa4xx@ipass.net>  
To: kh6b@juno.com, QRP-L <QRP-L@lehigh.edu>  
Cc: Richard Fisher KI6SN <KI6SN@pe.net>  
Subject: [74263] Re: AA4XX to Hawaii  
Message-ID: <39633E6B.776CED18@ipass.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Hi Dean (KH6B),

Hearing you in the clear just before the close of the Spartan Sprint gave me goosebumps. When you replied to my call I know I woke the other campers nearby with my shouting-HI!

I was camped out at Cape Lookout on the NC Outer Banks. The rig on this end was a stripped down SW-20+ with a 9V lithium battery, allowing only QRPp power output (to shave off station weight). The antenna system was a 2 el 20M phased array mounted right at the high tide line. Each element is a half wave vertical, with half wave spacing between the verticals. A phasing controller was used to switch directions. I could not hear any trace of your signal while phasing N/S, but you were quite good copy while phasing E/W.

As we were in QS0, the high tide was within 2 feet of the tent, making me a bit nervous, until the water finally started to recede around 11PM EDT.

Band conditions were not optimal this past Monday night. I ended up logging 23 stations on 20M, with average received RST of 559 while running 100-250mW. Thankfully, the rig and antennas made the kayak trip without any problems.

The Cape Lookout area is quite interesting. To access the island, I kayaked over from Harker's Island. The water depth varies from 1/2 to 3 feet most of the 3 mile paddle, except for the channels which are deep enough to accommodate shrimp boats. There are a number of small islands along the way to the Cape, which serve as bird sanctuaries. Since much of the area is too shallow for anything except kayaks, it is an ideal place to explore. I almost decided to camp on one of these islands, but decided not to due to the fact that the high tide came within about 6 inches of the highest point on the island.

Before settling on the area just north of the lighthouse, I explored nearby uninhabited Shackleford Banks. This island is partially forested with bands of wild ponies left over from settlements back in the 1800's. These settlements left the island due to several powerful hurricanes. Next time, I'll probably camp there. I took some pictures

and will try to get an article together to share the experience. This region is legendary for its hordes of mosquitoes and "no see ums," but I came away with just ONE mosquito bite, due to the constant 10-15 knot winds which kept the critters at bay.

Combining this type of outdoor experience with QRP makes for double the fun. Thanks, Dean, for being a big part of it!

72 es Aloha from NC, Paul AA4XX

-----  
> Hi Paul, (and group)

>  
> I think you posted that you would be portable on an island? Would this be  
> 100 miles or so, east of your home QTH? I'm curious, what rig and antenna  
> were you using?  
>  
> My station: Elecraft K2 at 5 watts to the 14AVQ trap vertical on a short  
> mast next to a metal roof to the northeast. 21 Qs during the Sprint: 6 on  
> 15m and 15 on 20m.

> Aloha,  
>  
> Dean KH6B  
> Hilo Hawaii

-----  
Date: Wed, 5 Jul 2000 10:20:41 -0400  
From: Ed Lawson <elawson@lawson-philpot.com>  
To: qrp-1@Lehigh.EDU  
Subject: [74264] WM-2 Questions  
Message-ID: <00070510300403.00775@office4.office.new>  
Content-Type: text/plain  
MIME-Version: 1.0  
Content-Transfer-Encoding: 8bit

Just finished the WM-2 and adjustment went well. Seems that until you connect it to an accurate source, it is hard to know whether the readings are accurate given the variations in building a kit. How does one calibrate this unit if a know source is available? Instructions do not indicate how to do this. Or should I not worry about it and assume it is reasonable accurate?

Which raises another question that has been wandering around my head. What variations in rig performance are likely to be seen in kit built rigs? In other words, if the rig works and freq. checks are ok, how large a variation is there likely to be in terms of sensitivity, selectivity, power output, and



output "quality" from one rig to another due to quality of construction?

Ed Lawson  
K1VP

-----  
Date: Tue, 04 Jul 2000 22:06:53 -0500  
From: Robert McAtee <w5tnj@camalott.com>  
To: qrp-1@Lehigh.EDU  
Subject: [74265] Weller iron tips  
Message-ID: <3.0.3.32.20000704220653.007b7290@mail.camalott.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Rick I've purchased both tips and heating control/heating elements at a local F&M store for a weller station at least 15-20 years old. They can also be found at Digi-Key..... ==Mac== AG5F

-----  
Date: Wed, 5 Jul 2000 08:48:51 -0600 (CST)  
From: Bruce Rattray <rattray@gpfn.sk.ca>  
To: QRP-Canada <qrp-canada@lists.gpfn.sk.ca>, Low Power Group <qrp-1@LeHigh.EDU>  
Subject: [74266] Summer Fox Hunt Teams  
Message-ID: <Pine.LNX.3.95.1000705084148.19467A-100000@neale.gpfn.sk.ca>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

With the hunt beginning July 6th., here are the Teams so far.....

(1) - SWAMP RATS:  
- K0EVZ - Doc  
- NV4V - Pete  
- AF4PS - Mac  
- AJ4Y - Paul  
- N1TP - Tom

(2) - QRP CHEESEHEADS:  
- N9AW - Jerry  
- NK9G - Rick  
- AE9K - Brian  
- WA9TZE- Jim  
- tba

(3) - RAIDERS OF THE LOST RF:

- NA6E - Mary
- VE3FAL - Fred
- VA6RF - Earl
- VE5RC - Bruce
- tba

....any more please?

..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272  
A-1 Operator Club - 10/10# 944 - SOC #11 & #12 - Whiner#10 -  
"QRP! How sweet it is!" "I am da man wit "DAH" paddle!"

-----

Date: Wed, 5 Jul 2000 10:58:18 -0400  
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>  
To: QRP-L Discussion Group <QRP-L@Lehigh.edu>  
Cc: "W.D.(Doc)Lindsey/K0EVZ" <70511.3041@compuserve.com>  
Subject: [74267] First Summer FOX tomorrow evening  
Message-ID: <200007051100\_MC2-AB16-9616@compuserve.com>  
MIME-Version: 1.0  
Content-Transfer-Encoding: 7bit  
Content-Type: text/plain;  
charset=us-ascii  
Content-Disposition: inline

Gang:

Hear ye, hear ye--the first Summer FOX outing will be tomorrow evening, so get ready to grab your pelt. Time will be 0100Z on \*Friday\*, which translates into 2000Z CDT in the USA.

Will set up within 10 Khz of 14060, but probably not right on this calling frequency. I would prefer to be above 14060. Will have to see, since RTTY in this vicinity can be deafening [G]. My guess right now is that it will be about 14056 or so, to miss the FISTS frequency of 14058.

Setup will be a K2 at 5 watts out. QTH is 10 miles north of Bismarck, ND, on five acres of flat land. Have a variety of antennas, principally a 540' horizontal loop suspended from 4 telephone poles at 33'. I also frequently use a short windom (40-10 Metres) up 51'. Other possible antennas include a GAP vertical at 9', a 20 Metre double bazooka at 36' and a full length G5RV at 48'.

Please do not call directly on the FOX's frequency. I will likely miss you entirely if you do, as I will be using the RIT liberally. Also, please do

not call unless you \*yourself\* can hear me. This will help everyone. We have never tried a FOX hunt on 20 Metres, so this will be new to all of us. We might even have DXers in the fray!

POSSIBLE PROBLEM--we are expecting to receive severe thunderstorms today, tonight and through tomorrow evening. Let's hope this doesn't happen :-). But if you tune around tomorrow evening and do not hear me, it will only be because of threatening weather. I \*may\* decide to start later (but not earlier). If the weather does become a deciding factor, check here on the QRP-L for my possible updates.

For a complete listing of the rules and other FOX info, check the web page at <http://www.cqc.org/sfox>.

Here's hoping everything tomorrow evening is perfect, and we have a great hunt.

72/73,

--W.D. (Doc) Lindsey

DSBF

PO Box 6028

Bismarck, ND 58506

(Shipping = DSBF, 2020 Lovett Ave, Bismarck, ND, 58504)

E-Mail = K0EVZ@arrl.net

-----  
Date: Wed, 05 Jul 2000 15:14:44 -0400  
From: Richard Arland <k7sz@epix.net>  
To: QRP List <qrp-l@lehigh.edu>  
Subject: [74268] Small Meter Needed  
Message-ID: <39638924.A176CEDB@epix.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Gang:

Just completed building Wilderness Radio NC-40A s.n 1000 (yeah, I know...QRP Bob doesn't normally serial number his rigs...but in this case he did...we set this up a couple weeks ago...WR has now officially sold over 1000 of the NC-40As).

My old NC-40A had a meter in the front panel (I have to have a meter...it just ain't a radio without a meter of some kind). It was from an old Heathkit battery tester...nice and small. I have another one but don't want to use it as I never did really like that meter...it was hard to read.

Does anyone have a source of small...and I do mean small...(.5 X 1.25 X .75 in. or so in size) meters? Scale calibration doesn't really matter...that can be changed. I have looked over all my old CB radios that are awaiting conversion to 10 meters and can find nothing that I really like that will fit.

73 Rich K7SZ

-----  
Date: Wed, 05 Jul 2000 08:33:19 PDT  
From: "laura halliday" <marsgal42@hotmail.com>  
To: qrp-l@lehigh.edu  
Subject: [74269] Re: Diodes for Mixers  
Message-ID: <20000705153319.21753.qmail@hotmail.com>  
Mime-Version: 1.0  
Content-Type: text/plain; format=flowed

John J. McDonough (wb8rcr@arrl.net) asked:

>Joe Carr (Exploring RF Circuits) indicates that hot carrier  
>diodes work better for mixers than my trusty 1N4148's.

They do. Also, you don't need to match Schottky diodes  
the way you match switching diodes.

>He suggests 1N5820, 1N5821 or 1N5822's. These are listed  
>as Schottky barrier diodes and are 3 amp units.

>

>What's the difference between a Schottky barrier diode and a  
>hot carrier diode?

Nothing. They're the same thing.

>Why on earth would I want 3 amp diodes in a mixer? What is  
>it about these that makes them special?

It's probably availability - the 3 amp diodes are made for  
switching power supplies and are probably easier to get than  
"real" Schottky diodes like 5082-2800.

>Am I any better off than just using an LM1496 (which RS  
>happens to have on sale)? Would a 1N5817 work as well as  
>the 5820's (only 1 amp, half the price)?

Yes. Look at the LM1496 data sheet. Properly terminated,  
diode mixers are \*good\*. Even ones made from 1N4148s.

Bottom line: use what you can get. Try it and see.

Laura Halliday VE7LDH        "Que les nuages soient notre  
Grid: CN89mg                pied a terre..."  
                              - Hospital/Shafte

-----  
Get Your Private, Free E-mail from MSN Hotmail at <http://www.hotmail.com>

-----  
Date: Wed, 5 Jul 2000 08:45:22 -0700 (PDT)  
From: Monte Stark <ku7y@dri.edu>  
To: Steven Weber <kd1jv@moose.ncia.net>  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [74270] Re: QRP Rig Survey  
Message-ID: <Pine.GS0.4.10.10007050834410.8299-100000@rotor.dri.edu>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Wed, 28 Jun 2000, Steven Weber wrote:

> Here's a question that might prove illuminating..  
>  
> Of all the rigs you have in the shack, (and many of you have  
> plenty!), kit, commercial or homebrew, which one do you use the  
> most ,which one the least, and why?  
>

Hi Steve and all,

I'm late getting to this one but here goes....

My overall favorite QRP rig was my FT 1000MP. :-)

The reason was that it has a very nice RX, good display,  
easy to work pile up's with and etc.

When I started in the hobby, I HAD to build everything. I  
couldn't afford to buy things so it was off to the Radio  
& TV shops to get any old sets that were being thrown away.

Then I managed to save some money and get an ARC5 and do  
the modifications to get it on the air.

I also would up working in electronic fields.

I guess this gave me close to all the building and operating with "simple" rigs that I needed! :-)

Kinda like that country song.... "I was QRP when QRP wasn't cool" :-)

Now, being full time RVing, the 1000MP is sitting in a contest station to be used as needed in MM situations and I am using the FT-100. (No room for the big rig).

While it's a nice little radio, it doesn't compare to the 1000MP but it does give me HF-VHF-UHF in one SMALL box!

Now if I can just manage to work some of the Fox's with 5w into that little screwdriver from this noisy RV park!

cul,

73, Ron

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....  
....ku7y@qsl.net....SOC #2.....Nevada....NRA LIFE....  
.....SOWP 5545M.....WHINERS #1.....ZOMBIE #18.....  
....Visit my Home Page.....<http://www.qsl.net/ku7y/>....

-----

Date: Wed, 5 Jul 2000 08:21:29 -0800  
From: Anthony Felino <anthony@pacinfosb.com>  
To: qrp-l@lehigh.edu  
Subject: [74271] baluns  
Message-ID: <Chameleon.962811618.anthony@anthony-400>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; CHARSET=ISO-8859-1

"Even a 1:1 balun is risky (in terms of losses) unless you know the range of impedances it will see and design it accordingly..."

Yes, I had that problem with my installation, an 85' inverted vee up 30'. (Fed with 450 ohm line.) I solved it by putting the balun before my L-net tuner instead of after it. This way the balun always operates at 50 ohms.

I used to have a lot of loss when using this antenna on 80m and 160 as demonstrated by a QRO "soak" test. I have seen some

designs for balanced tuners made like this, Some use a balanced L-net with two inductors, and others just use a single-ended L-net as I do. My L-net is just built on a piece of plexiglas. I thought about having little plug-in L-nets for each band. That would make bandswitching easy.

I'm not implying that this is a great antenna on 160, but since this is the only antenna I can have (I rent) it's nice to be able to work all bands. The feedline loss models as 6dB or so on 160.

It is interesting that according to the article in this month's QST most of us contributing to this thread have not achieved the status of "beginning to experience the fun of radio" (cf. "Everything Works")

73, WN6Q

-----  
Anthony Felino, Pacific Information Design  
email: anthony@pacinfosb.com  
telephone: (805) 730 1565, x25  
-----

-----  
Date: Wed, 5 Jul 2000 10:46:13 -0500  
From: "Mike Branca" <w3irz@att.net>  
To: <jamesd1@flash.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [74272] Re: Baluns and Antenna Tuners  
Message-ID: <004701bfe698\$6e15c080\$3c034d0c@default>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

My experience over more than 25 years with a number of 80 meter & 160 meter dipoles using various lengths of open wire line and window line for multiband operation mirrors James, KK6MC in that they are easier to match with a 1:1 balun. My tests with 360 foot and 500 foot (my current single antenna) loops confirm my dipole findings. In other words you will be more likely to find a match. IMHO if one uses a tuner then a perfect match is possible; if not then more work is needed in the tuner construction. Since all of my tuners are homebrew the test for perfect match on 9 bands indicates if my tuner project is completed.

Baluns are so easy to make that it makes little sense for me to buy one. The choke baluns are perfect for this. I do not consider coax the proper

medium for the output of tuners but 10 turns of zip cord about 5 inches in diameter is just about right or 10 turns of zip cord on a toroid core like a T200-2. Or 10-12 turns of speaker zip cord on a T130-2 core for a smaller balun is fine. Sometimes I skip the balun and simply connect the open wire to the Ant & Gnd terminals of the tuner the same way that Harris Radio does on its commercial installations (I have done two of them). There are a lot of options here and it probably does not matter unless there is RF in the shack causing some malfunction. RF in the shack calls for a balun.

Mike in Conyers, Georgia W3IRZ

----- Original Message -----

From: James R. Duffey <jamesd1@flash.net>

To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Sent: Tuesday, July 04, 2000 8:51 PM

Subject: Baluns and Antenna Tuners

> All - I have been interested in the 'one best antenna' thread that has  
> morphed into the "best balun" thread.  
>  
> I recommend the 1:1 balun instead of a 4:1 balun at an antenna tuner  
output  
> for a simple reason. Most antenna tuners match better into a high  
impedance  
> load than into a low impedance load. When the antenna is used on  
frequencies  
> on which the impedance is low (a half wavelength or less in length), then  
> the 1:1 balun is preferred. At higher frequencies it probably doesn't  
matter  
> much. At lower frequencies (like using a 80 M dipole at 160 M, or a 30 M  
> dipole on 40 M) it probably makes a bigger difference.  
>  
> The balun loss will be more or less the same in either case since the  
balun  
> is not working into its design impedance. The antenna tuner loss will  
> probably be worse with the 4:1 balun at low frequencies than with the 1:1  
> balun at higher frequencies.  
>  
> I am not saying the 4:1 won't work. It will, but the 1:1 will probably  
give  
> better results for many applications. If you are having problems matching  
> your 80 M antenna on 160 M you may wish to replace your 4:1 balun with a  
> 1:1 balun.  
>  
> The balanced tuners, Z-match and Johnson MatchBox, avoid all this balun  
> discussion.  
>



> I will also be at Ft. Tuthill. See you for an eyeball Karl? - Dr.  
Megacycle  
> KK6MC/5  
> --  
> James R. Duffey KK6MC/5  
> 30 Casa Loma Road  
> Cedar Crest, NM 87008  
>

-----  
Date: Wed, 05 Jul 2000 12:43:45 -0400  
From: "Paul Helbert, Wv3j" <phelbert@rica.net>  
To: Elecraft reflector <elecraft@qth.net>, Low Power Discussion Group <qrp-  
l@Lehigh.EDU>  
Subject: [74273] Re: [Elecraft] Field Day rule adjustment proposal  
Message-ID: <396365C1.192A0D8A@rica.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Gangue,

Larry, WD3P in MD, noted:

.I would be much more interested in promoting QRP than in the  
.competition of field day so if I were to change to rules I would .allow  
QRP battery stations into any club and give to QSOs earned .by that  
station(s) the power multiplier for QRP battery. That .would have added  
1000 points to our clubs score. If the clubs saw .this kind of  
advantage you might see more of them with a QRP .station in their  
midst. This could be a real sales job for the .QRP crowd.

.The rules are such that just running 5 watts is not worth .anything.  
You get the same multiplier as a 100 watt station. To .get the higher  
multiplier you have to go battery, solar, etc. I .don't know what this  
club did.

I agree. We ran Wv3j in conjunction with the N3xu MARA/VARA club  
station, but as a separate entity. N3xu ran 2A and the addition of 1A  
Wv3j (QRP/battery, multi-mode, multi-op)) would have added only 200  
points if added as a third transmitter in the club effort. As a stand  
alone station our 200 contacts were worth 1000 points and fourteen  
operators (many of whom were new to HF, had a blast). The rule at  
present is that the whole club effort would have to run QRP for any qrp

contacts to receive the x5 multiplier. This would not suit the VHF, satellite and moonbounce boys.

My suggestion for a rule change would be to allow a QRP station within a club effort to use the x5 multiplier. This would expose more of the crowd to the fun we are having, and encourage good operating practice (specifically, not using more power than required to make a contact).

Sorry if this is rehash. I read qrp-l and elecraft reflectors only through their digests and only occasionally at that.

72,

Paul, Wv3j

-----  
Date: Wed, 5 Jul 2000 10:36:27 -0600  
From: "Bruce Kizerian" <kizerian@ced.utah.edu>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [74274] Re: Diodes for Mixers  
Message-ID: <03e201bfe69f\$2b66a900\$3d56d9d8@galtgulch.sarcos.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

>  
>It's probably availability - the 3 amp diodes are made for  
>switching power supplies and are probably easier to get than  
>"real" Schottky diodes like 5082-2800.

1N6263 small signal Schottky diodes are available from Mouser for \$.18 in single quantities. For my applications these work as well (and possible better) than the overpriced HP units.

Bruce kk7zz

-----  
Date: Wed, 5 Jul 2000 12:44:28 -0400  
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>  
To: Allan G Taylor <k7gt@qsl.net>  
Cc: "W.D.(Doc)Lindsey/K0EVZ" <70511.3041@compuserve.com>, QRP-L Discussion Group

<QRP-L@Lehigh.edu>  
Subject: [74275] Re: First Summer FOX tomorrow evening  
Message-ID: <200007051246\_MC2-AB27-7EBB@compuserve.com>  
MIME-Version: 1.0  
Content-Transfer-Encoding: 7bit  
Content-Type: text/plain;  
charset=us-ascii  
Content-Disposition: inline

Allan and Everyone:

Many thanks for this valuable info, something I did not know about. Thus I will certainly avoid the County Hunter's calling frequency. Thanks Alan for the heads-up. Perchance, are there any other possible conflicts that need to be brought to my attention?

72/73,  
--W.D. (Doc) Lindsey  
DSBF  
PO Box 6028  
Bismarck, ND 58506  
(Shipping = DSBF, 2020 Lovett Ave, Bismarck, ND, 58504)  
E-Mail = K0EVZ@arrl.net

On 7/5/2000 at 11:50 am Allan Taylor wrote:

In the typical summer day, 14056.5 is the frequency used by the county hunters net. It is sometimes used into the evening so might not be the best choice.

--

Allan Taylor K7GT Pleasanton/Livermore CA

k7gt@qsl.net or k7gt@aol.com

-----  
Date: Wed, 5 Jul 2000 12:54:04 -0400  
From: "J. Ervin Bates" <w8erv@email.msn.com>  
To: <phelbert@rica.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [74276] Re: [Elecraft] Field Day rule adjustment proposal  
Message-ID: <00c901bfe6a1\$a17cd860\$f02a113f@win98>

Paul:

I would support that change, but what is the likelihood of such a change? If you need a name on a petition, please feel free to add mine. Maybe we can get this added in time for 2001?

72,  
Erv W8ERV

HamFair2000 is coming...ask me about it!  
"Dare to Dream-It Sets Your Spirit Free!"

---

10-10# 70639 - QRP-ARCI# 9702 - SOC# 41  
QRP-L #1569 - NorCal Zombie #236 - Worked All  
El Paso #033/1999 - Member, MI DX Assn.  
MI QRP Club, M-1688 - FPqrp- 50 - Member ARRL  
Rag Chewers' Club - WAC -

---

Date: Wed, 05 Jul 2000 12:03:10 -0500  
From: Mike <mmorrow@companet.net>  
To: qrp-l@lehigh.edu  
Subject: [74277] Re: Field Day rule adjustment proposal  
Message-ID: <39636A4E.64D6@companet.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

The main thing I'd change about Field Day is the date. In the announcement of the first "International" Field Day in the June 1933 QST, the dates of FD were 6/10/33 and 6/11/33. The announcement referred to FD as "an opportunity to get out in the open in this fine spring weather."

I don't think many of us experience what one would call "fine ... weather" (spring or otherwise) on the fourth weekend in June each year, unless one means "hot."

Make it earlier!

Also, it would be nice to return to the idea of an "International" FD, not just the North American event that it has become. The original FD was much more of a "low power operation" event, one in which foreign contacts counted tripple points.

73,  
Mike / KK5F

---

Date: Wed, 05 Jul 2000 13:07:53 -0400  
From: "Edward A Kwik jr" <eakwikjr@hti.com>  
To: 70511.3041@compuserve.com  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [74278] Re: First Summer FOX tomorrow evening  
Message-ID: <39636B69.E5154DAF@hti.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

I ran into a DX county hunter last night while in the MI QRP contest. The LZ wanted my county bad. Had to repeat it many time before he got it. But I could not get him to give me his power so no credit for the contest., This was at 14.062 MHz.

Ed AB8DF

"Wilford D. Lindsey" wrote:

>  
> Allan and Everyone:  
>  
> Many thanks for this valuable info, something I did not know about. Thus I  
> will certainly avoid the County Hunter's calling frequency. Thanks Alan  
> for the heads-up. Perchance, are there any other possible conflicts that  
> need to be brought to my attention?  
>  
> 72/73,  
> --W.D. (Doc) Lindsey  
> DSBF  
> PO Box 6028  
> Bismarck, ND 58506  
> (Shipping = DSBF, 2020 Lovett Ave, Bismarck, ND, 58504)  
> E-Mail = K0EVZ@arrl.net  
>  
> On 7/5/2000 at 11:50 am Allan Taylor wrote:  
>  
> In the typical summer day, 14056.5 is the frequency used by the  
> county hunters net. It is sometimes used into the evening so might  
> not be the best choice.  
> --  
> Allan Taylor K7GT Pleasanton/Livermore CA  
>  
> k7gt@qsl.net or k7gt@aol.com

-----  
Date: Wed, 5 Jul 2000 11:38:26 -0600 (MDT)  
From: "Karl F. Larsen" <k5di@zianet.com>

To: QRP-L List <qrp-l@lehigh.edu>  
Subject: [74279] MFJ Noise Bridge  
Message-ID: <Pine.LNX.4.10.10007051120340.785-1000000@cannac.ampr.org>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

When you want to measure your antenna's impedance at the point it enters your antenna tuner a noise bridge is handy. Alas, on many frequencies I found I had to use the expanded mode which involves a lot of calculations. I did 2 with a hand calculator and said "heck there's a better way!". So this morning after my dog walk I sat down to my computer (Linux) and wrote four programs that do the calculating for this instrument. I compiled them and they work (after a lot of corrections) and it's duck soup to make the measurements.

The equations are from the booklet that comes with the instrument. As the book explains, this is not a real accurate instrument. When you read the resistance and reactance you realize the values are gross. But you do the best you can and I first write down the raw data which is 3 numbers for:

Frequency  
Resistance  
Reactance

Now I next plug these numbers in my program as directed and it outputs to the screen the measured impedance as  $x + jy$ . Very simple and sure makes fewer errors than the hand method.

If anyone is interested in the programs I, of course have the source code and the executables under Unix. If you have a Windows computer and a few want it I will compile these for arg! DOS...exe sucks.

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

-----  
Date: Wed, 5 Jul 2000 13:47:53 EDT  
From: NB6M@aol.com  
To: Wa3ptg@aol.com  
Cc: qrp-l@lehigh.edu  
Subject: [74280] Re: If I had only one antenna.  
Message-ID: <bd.4de5252.2694cec9@aol.com>  
MIME-Version: 1.0

Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

Hi Harry,

Your inverted (twisted) Vee sounds a lot like mine, in that the two legs of my 80 meter inverted vee are not quite 180 degrees from each other. More like 140 degrees in one direction and 220 degrees in the other. However, mine is fed with 450 ladderline, with the apex at about 50 feet, and seems to perform pretty well. Like yours, my station location does not provide for an easy way to get to "ground".

As for your parallel dipole situation, I use a 40 meter, 30 meter and 20 meter parallel dipole setup for portable use, fed with RG-8X. I made wooden spacers for the parallel elements that hold the legs of the 30 and 20 meter dipoles about an inch and a half apart from each other and the same distance from the 40 meter dipole legs. When it is stretched out, the 40 meter dipole is on top, the 30 meter just below, and the 20 meter just below that.

I used insulated speaker wire from radio shack for the dipole elements, and having the insulation on the wires meant that the legs were automatically a bit too long, although I cut them for 7025, 10115, and 14025, respectively.

My method of pruning them to length, using a qrp rig and SWR meter with short, low power transmissions to test for 1 to 1 SWR, is to fold a few inches of each leg end (obviously the same amount on each end) back on itself and twist it around the main dipole leg to hold it in place. When I am doing this testing, I listen first on frequency, ask if the frequency is in use, and ID after each test transmission.

Folding the wire ends back and twisting them around the main dipole legs works quite well for insulated wire as well as bare wire because of the capacitive coupling effect between the wires. The tuning process goes a lot faster that way, because it means that if I get the dipole too short I don't have to solder wire back on, just unwrap the folded back portion and lengthen the main legs as desired.

I started with the 40 meter dipole, and by careful length adjustment in the manner described above, got the SWR down to 1:1. I don't use insulators at the ends of the dipole legs, just use a sheet bend (sailor's knot) to attach thin nylon support lines.

Then, I "pruned" the other two dipoles to length, progressing from low frequency (longer elements) to higher, and achieving 1:1 SWR on each. Because of the wooden spacers, no nylon lines were needed for the ends of the 30 meter and 20 meter dipoles.

I found that, once the longer length elements were adjusted in this manner,

adjusting the shorter length elements did not seem to adversely effect their tuning. So, by progressing from lower frequency (longer) elements to higher frequency (shorter) elements meant that when I finished "pruning" the 20 meter dipole to length, I was done. No further adjustments were needed.

I did not bother actually cutting the ends of the 40 meter dipole, because the sheet bend for the nylon support line makes use of the folded wire. Although it was unnecessary, I did cut the ends of the 30 and 20 meter dipoles just to make the whole assembly look neater. I initially cut the 30 and 20 meter dipoles a couple of inches longer than the fold and worked my way in, just to be sure that the length adjustment was correct.

I have used this parallel dipole in several portable situations, at heights of just a few feet off the ground to several meters off the ground, with good results. I also use this portable dipole as the radials of a short aluminum vertical antenna (12 feet) that is tuned to each of the three bands by means of a loading coil and movable tap. After initial adjustment, the band locations are marked on the loading coil and all I have to do is simply move the alligator clip equipped tap wire to its appropriate location.

72

Wayne NB6M

-----  
Date: Wed, 5 Jul 2000 12:05:06 -0600 (MDT)  
From: "Karl F. Larsen" <k5di@zianet.com>  
To: "Wilford D. Lindsey" <70511.3041@compuserve.com>  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [74281] Re: First Summer FOX tomorrow evening  
Message-ID: <Pine.LNX.4.10.10007051202370.1233-100000@cannac.ampr.org>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Wilford, there is a very powerfull k6ixa who runs a intenet server function using pactor on 14.067 lower side band. He is a busy station and I use him when I travel. So for sucess stay below 14.064 or so.

On Wed, 5 Jul 2000, Wilford D. Lindsey wrote:

> Gang:  
>  
> Hear ye, hear ye--the first Summer FOX outing will be tomorrow evening, so  
> get ready to grab your pelt. Time will be 0100Z on \*Friday\*, which  
> translates into 2000Z CDT in the USA.  
>



> Will set up within 10 Khz of 14060, but probably not right on this calling  
> frequency. I would prefer to be above 14060. Will have to see, since RTTY  
> in this vicinity can be deafening [G]. My guess right now is that it will  
> be about 14056 or so, to miss the FISTS frequency of 14058.  
>  
> Setup will be a K2 at 5 watts out. QTH is 10 miles north of Bismarck, ND,  
> on five acres of flat land. Have a variety of antennas, principally a 540'  
> horizontal loop suspended from 4 telephone poles at 33'. I also  
> frequently use a short windom (40-10 Metres) up 51'. Other possible  
> antennas include a GAP vertical at 9', a 20 Metre double bazooka at 36' and  
> a full length G5RV at 48'.  
>  
> Please do not call directly on the FOX's frequency. I will likely miss you  
> entirely if you do, as I will be using the RIT liberally. Also, please do  
> not call unless you \*yourself\* can hear me. This will help everyone. We  
> have never tried a FOX hunt on 20 Metres, so this will be new to all of us.  
> We might even have DXers in the fray!  
>  
> POSSIBLE PROBLEM--we are expecting to receive severe thunderstorms today,  
> tonight and through tomorrow evening. Let's hope this doesn't happen :-).  
> But if you tune around tomorrow evening and do not hear me, it will only be  
> because of threatening weather. I \*may\* decide to start later (but not  
> earlier). If the weather does become a deciding factor, check here on the  
> QRP-L for my possible updates.  
>  
> For a complete listing of the rules and other FOX info, check the web page  
> at <http://www.cqc.org/sfox>.  
>  
> Here's hoping everything tomorrow evening is perfect, and we have a great  
> hunt.  
>  
> 72/73,  
> --W.D. (Doc) Lindsey  
> DSBF  
> PO Box 6028  
> Bismarck, ND 58506  
> (Shipping = DSBF, 2020 Lovett Ave, Bismarck, ND, 58504)  
> E-Mail = K0EVZ@arrl.net  
>  
>

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

-----

Date: Wed, 5 Jul 2000 12:09:33 -0600  
From: "Rod, N0RC" <n0rc@qsl.net>  
To: "qrp-1" <qrp-1@Lehigh.EDU>  
Subject: [74282] RFI: Hi-Mound MK-706 Paddles  
Message-ID: <014101bfe6ac\$3c2feb40\$3d8611d8@compaq>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Folks:

Want's the consensus on these paddle. Good, bad, OK, other...?

I have Schurr Profi's for the shack and Paddlettes for light weight "to the field" ops. But for "destination Hamming", I want something better but not expensive, should they become lost. stolen, damaged...etc.

The first application for these paddles will be the up coming "Summer Fox" series. I work evenings, but I gotta take a dinner break, right? ;- ) So, my PW-1, NC-20 and MK-706s(?), will be packed into the trunk of my car prepped for rapid deployment/tear-down on "Fox Nights".

---

72/3 Rod, N0RC -- Fort Collins, CO

-----  
Date: Wed, 5 Jul 2000 11:10:49 -0700 (PDT)  
From: Christian Void <cvoid@netcom.com>  
To: qrp-1@lehigh.edu  
Subject: [74283] results of improvised 10.7mhz source  
Message-ID: <Pine.3.89.10007051114.A1417-01000000@netcom18.netcom.com>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

thanks to everyone for all the suggestions! especially the ones reminding me about 10.7Mhz being divisibile my 10Khz. i'm still kicking myself for forgetting that... but anyways, just wanted to pass along what i did:

ended up using the autek rf-1 tuned to 10.70, connected to my frequency counter through a 200 ft piece of coax for attenuation. then, i teed the coax off of the frequency counter to probe and laid it near the circuit under test. the counter allowed me to get the rf-1 on 10.70011 which was good for what i was doing.



```

> >                                     H
> >                                     H
> >                                     H
> >                                     [[ ]] 1:1 Balun
> >                                     [[ ]]====== 50 ohm coax
> > any
> >
> >                                     length to rig
> >
> > Try to mount it at least 42' above ground for best results.

```

Well I tried it out "virtually". In EZNEC, that is. If I can believe W7EL's value of propagation factor for 450 ohm window line, (0.95), then I think you want to increase that feedline length to 44 feet. With the antenna at 42 feet elevation, here's what I get for resonant frequencies at the balun:

Fo	Ro	SWR
7.15	79 ohms	1.6:1
14.14	31 ohms	1.6:1
18.04	72 ohms	1.5:1
24.98	57 ohms	1.1:1
28.83	92 ohms	1.9:1

I can see why it might not be too good on 17 and 10 m, since the matching line is multiple half-wavelengths long, the impedance is very sensitive to its length. Plus the resonance seems to land pretty high in the band on 10. Down on the CW QRP frequencies (gotta work that in, right? ;-), the SWR on 10 is up around 7:1.

--

Charlie Panek  
 mailto:charlie\_panek@agilent.com Agilent Technologies Inc.  
 Everett, Washington

-----

Date: Wed, 5 Jul 2000 14:31:52 EDT  
 From: Wb4jjj@aol.com  
 To: QRP-L@lehigh.edu  
 Subject: [74285] CLUB: NOVA-QRP to meet on Saturday  
 Message-ID: <9e.6bc2064.2694d918@aol.com>  
 MIME-Version: 1.0  
 Content-Type: text/plain; charset="US-ASCII"  
 Content-Transfer-Encoding: 7bit

NOVA-QRP, the high powered, low power QRP group for Northern Virginia, will hold its regularly scheduled bi-monthly luncheon get-together at Mama's

Restaurant in Fairfax, Virginia on Saturday, November 8, 2000. Mama's Restaurant is just one block west of Fairfax Circle on Route 50. Plenty of (free) parking and great food (not free).

NOVA-QRP has no published start and end times for its luncheon meetings, but Mama's opens its doors at 11:30 am, and at the last meeting there were folks waiting outside to get in when the doors were unlocked.

NOVA-QRP has no officers, dues, rules, regulations, business, minutes or any of the other trappings of organized groups. Rather, we have tall tales, show and tell for QRP rigs and equipment (bring yours to show and tell), and a lot of fraternizing with other high-powered low power folks.

NOVA-QRP also has a continuing supply of free Altoids tins and other free stuff for those who attend. For needy hams, this is indeed a kinda paradise.

NOVA-QRP's official list is maintained by K4AHK. To be added to that list for official notification of meetings send an email request to K4AHK@ix.netcom.com and he'll see that you are properly notified.

NOVA-QRP hopes to see you there. Be sure to bring a copy of your QSL card for the membership book. And, if you have a ham call sign badge, be sure to wear it.

73, Al, WB4JJJ

-----  
Date: Wed, 5 Jul 2000 13:38:13 -0500  
From: "Harvey Mitchell" <Harvey.Mitchell@enron.com>  
To: qrp-l@lehigh.edu  
Subject: [74286] SMiTe Hunt - Disaster on July 2nd  
Message-ID: <86256913.0066B6C7.00@ei-nsmtpmta01.ei.enron.com>  
Mime-Version: 1.0  
Content-type: text/plain; charset=us-ascii  
Content-Disposition: inline

I tried for the SMiTe Hunt this past Sunday from Galveston Island from 8:30 to 10:00 PM (0130 to 0300 Z on July 3rd), but heard nothing except static crashes and noise. The antenna was a 120' +/- random wire. Once again conditions on 80 meters were not conducive to QRPP contacts down here in Texas.

Sorry for the delay in this post, I had to return to work today to send it out.

73,

Harv, K5YU

-----  
Date: Wed, 05 Jul 2000 15:00:57 -0400  
From: Halpern <morgantruce@homemail.com>  
To: qrp-1@Lehigh.EDU  
Subject: [74287] Help: DSW-40  
Message-ID: <396385E9.B3BADE50@homemail.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

I'm having a problem troubleshooting a DSW-40 board I recently assembled. Soon after I applied power, and grounded J2-pin2, I didn't hear a "LOUD tone"--but I heard the audio CW sequence in my phones. Then I ungrounded J2-pin2 and grounded J2-pin3---in a moment diode D-9 lit up, smoked, and blew a fuse in my supply line! I triple checked my supply DC polarity.

I've sent 3 e-mail messages to Dave Bensen since June 28th which haven't been answered--I assume he is on a much-earned vacation.

Can anyone shed some light on this problem?

73  
Gene Halpern, N8HWI

-----  
Date: Wed, 05 Jul 2000 14:02:13 -0500  
From: Glen Reid <k5fx@flash.net>  
To: AQRN List <AQRN@onelist.com>, HQRN List <hqrn@stevens.com>, QRP-1 <qrp-1@lehigh.edu>  
Subject: [74288] HAMFEST: Austin Summerfest  
Message-ID: <39638635.98F35817@flash.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

There have been a couple of question regarding the Austin Summerfest and associated QRP activities.

Here is the story as told by Stuart, the QRP organizer and chief ramrod for Summerfest.

Stuart eloquently expounded:

> Remember Summerfest is in JULY this year, new hotel. Date is July 28,  
> 29.  
> If you did not already get the mailing entry form,  
> deadline on lower pre registration prices is July 15. The Convention,  
> Summerfest, is at the Hilton Hotel by  
> Austin TX, Highland Mall on Middle Fiskville Rd., this year, moving from  
> its former location. New Hotel, and a Fri. Sat. ONLY format. In fact,  
> most sessions will be over by mid afternoon Sat. So the Registration  
> packet pick up is Fri. nite at 5 PM to 8 or so. 6 PM Fri. Swap Meet and  
> Dealers open. 7  
> PM There is a  
> hospitality suite after that in the hotel.

>Call Joe Makeever for  
> more info,(512) 345-0800. Or see the Summerfest web:  
>  
> <http://www.repeater.org/summerfest/index.html>  
>  
> QRP stuff:  
>  
> "Let's have a Dutch Treat dinner Fri. nite at 7 PM which has become sort  
> of a  
> tradition. Lone Star Cafe across from the hotel in Lincoln Center on  
> Middle Fiskville Rd. has again been suggested. Meet by the registration tables  
to go to QRP dinner.

gr

--

GLEN REID

...in the beautiful hill country of TEXAS...

Email: k5fx@arrl.net

"The difference between genius and stupidity is that genius has its  
limits"

-----

Date: Wed, 5 Jul 2000 15:24:08 -0400 (EDT)  
From: Scott Howell <n3byy@speakeasy.org>  
To: qrp-l@lehigh.edu, cw@qth.net  
Subject: [74289] last items for sale  
Message-ID: <Pine.LNX.4.20.0007051519240.1817-1000000@n3byy.yi.org>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Ok, this is it, the final blow out of the year. I hope in any case.

RadioShack FM antennas (yes 2) cat no. 15.2163 \$30 for the pair or \$20 each. Includes shipping. Boxes are new or I should say the antennas have never been used. Make yourself a nice 2M beam for those 2M QRP contacts.

2 High Q baluns (1 to 1) will handle many times QRP levels. Actually believe these will handle half a gallon.

My xyl couldn't find where it stated that info, but they are good sized baluns. \$35 for the pair or \$18 each shipped.

MFJ 416 (with lcd) original box/docs. \$50 shipped.

All items are insured via UPS or USPS and are in excellent/new condx.

tnx es 73 de Scott/n3byy

-----  
Date: Wed, 5 Jul 2000 15:33:58 -0400  
From: "Mike Yetzsko" <myetsko@insydesw.com>  
To: <w8erv@email.msn.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [74290] Re: [Elecraft] Field Day rule adjustment proposal  
Message-ID: <005801bfe6b7\$fdc038e0\$2101a8c0@insydesw.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

I'd support the change too! But with a caveat.

If we push for a change for QRP, I sorta think it's unfair (then again, maybe it would put a LOT more interest into QRP) to keep the other multipliers for battery and solar. Then again, just because you run QRP doesn't mean you shouldn't get 'something' for solar or battery power.

How about QRP by itself being the same multiplier as if the station was battery or solar or whatever. But if you are QRP, then solar and battery are only a slight ADDITIONAL kick to the score.

The details? Hey, I'm sure this group can argue this out!

But I think a main theme here is to hammer it out here first, with QRP being the mail goal, and then to present a 'united front' for a rules change when the chance surfaces...



Mike

----- Original Message -----  
From: J. Ervin Bates

> Paul:  
>  
> I would support that change, but what is the likelihood of such a  
change?  
> If you need a name on a petition, please feel free to add mine. Maybe  
we  
> can get this added in time for 2001?  
>  
> 72,  
> Erv W8ERV

-----  
Date: Wed, 5 Jul 2000 12:51:35 -0700 (PDT)  
From: Jim Hale <kj5tf@yahoo.com>  
To: QRP-L <qrp-l@Lehigh.EDU>  
Subject: [74291] Be ready next Sunday  
Message-ID: <20000705195135.3298.qmail@web701.mail.yahoo.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

If you rarely do any contesting, here's one you must  
consider trying. It's coming up this next Sunday, 9  
July 20:00-24:00Z.

It's only 4 hours long, so it's fast and furious. And  
it involves home made radios. Can it get any better?

It's the QRP ARCI Summer Homebrew Sprint, and you can  
get all the info from their website. Or if you don't  
have internet access, you can email me & I'll paste it  
on and reply back to you with it. No problem.

<http://personal.palouse.net/rfoltz/arci/sumhom.htm>

I will be operating NQ5RP, the club stn of the  
Arkansas QRP club, using my Elecraft K2 & <1w.

I'll be around 14.060/21.060MHz, please call me!

My location is 2200ft up on Misty Mountain, in the  
Arkansas Ozarks.

Hope to catch you!

Jim KJ5TF  
"All milliwatts, All the time"

=====

<http://www.madisoncounty.net/~kj5tf/>  
Milliwatting Editor ARCI QRP Quarterly  
Join/renew membership QRP Amateur Radio Club International  
<http://www.qrparci.org/arcijoin.html>  
AR QRP#2 - Kingston, Arkansas 35.94N 93.47W  
Private email [kj5tf@madisoncounty.net](mailto:kj5tf@madisoncounty.net)

-----  
Do You Yahoo!?

Send instant messages & get email alerts with Yahoo! Messenger.  
<http://im.yahoo.com/>

-----  
Date: Wed, 05 Jul 2000 16:07:30 -0400  
From: Paul Stroud <[aa4xx@ipass.net](mailto:aa4xx@ipass.net)>  
To: "Franco, Nicholas J" <[franco@bnl.gov](mailto:franco@bnl.gov)>  
Cc: QRP-L <[QRP-L@lehigh.edu](mailto:QRP-L@lehigh.edu)>  
Subject: [74292] Re: AA4XX to Hawaii  
Message-ID: <39639582.BE757C1F@ipass.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Hi Nick,

It's always good to hear from you!

Thanks for your gracious remarks. I wish you could have been there with  
me. Maybe one of these days?

You asked abt the array. I used two of those DK9SQ (I think that's his  
call) 33' telescoping masts as the antenna supports. Lightweight 24 ga.  
wire was velcroed to the masts to serve as the actual radiators. I  
screwed pvc pipes into the sand to serve as mast supports, which worked  
out FB.

For feedline I used RG-174. Yep, it might be a little lossy at 20M, but

my focus was in getting the weight and bulk down to fit the kayak. The measured loss figures were deemed acceptable, and still resulted in significant gain and terrific front to side discrimination. The feedlines were 1/2 wavelength long, which allowed me to situate the tent (and phasing controller) halfway between the verticals. Most stations simply disappeared, many times to be replaced with another station, when the lobe direction was switched 90 degrees.

The heart of the phasing controller is a trifilar wound toroid, which allows the antennas to be fed either in phase or 180 degrees out of phase.

With half wave spacing between the elements, this results in bidirectional broadside lobes with in-phase feeding and bidirectional end fire lobes with 180 degree phasing.

During the sprint, K1CL appeared on frequency to confirm that the N/S end fire lobes were really where I thought they would be. WZ2T and N2CQ also confirmed this. I could barely hear any of those three stations when phasing E/W. Similarly, the guys to my West were oftentimes barely hearable when I was listening N/S. AA7QU went from 599 to 229 as I switched from West to North. KH6B went from 339 to simply "not there" as I switched.

It took me a long time to accept the fact that at the beach, right at the water, radials are not necessary when running half wave verticals. I did not use any radials for this array, and will not use any in the future with the half wave verticals.

I just got some pictures back from the photo developer which show the antennas and some of the islands. I will try to get them posted somewhere so you can see em.

Take care, Nick es 72, Paul AA4XX

-----  
Date: Wed, 5 Jul 2000 16:18:39 -0400  
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>  
To: QRP-L Discussion Group <QRP-L@Lehigh.edu>  
Cc: "W.D.(Doc)Lindsey/K0EVZ" <70511.3041@compuserve.com>  
Subject: [74293] RE]First Summer FOX tomorrow evening  
Message-ID: <200007051621\_MC2-AB22-460E@compuserve.com>  
MIME-Version: 1.0  
Content-Transfer-Encoding: 7bit  
Content-Type: text/plain;  
charset=us-ascii  
Content-Disposition: inline

Gang:

Several have already written, advising of specific frequencies they know of which are "taken", so I will be careful to avoid them. Gets to be tricky on occasion.

Good luck, everyone, and here's inviting you to try to bag the elusive FOX tomorrow evening:- ).

72/73,

--W.D. (Doc) Lindsey

DSBF

PO Box 6028

Bismarck, ND 58506

(Shipping = DSBF, 2020 Lovett Ave, Bismarck, ND, 58504)

E-Mail = K0EVZ@arrl.net

-----  
Date: Wed, 5 Jul 2000 15:48:08 +0000  
From: "Steven Weber" <kd1jv@moose.ncia.net>  
To: qrp-l@lehigh.edu  
Subject: [74294] Re: Field Day rule adjustment proposal  
Message-ID: <200007052025.QAA19592@wolf.ncia.net>  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7BIT

> I don't think many of us experience what one would call "fine ...  
> weather" (spring or otherwise) on the fourth weekend in June each year,  
> unless one means "hot."  
>  
> Make it earlier!

Depends on where you live. Up here in the North East, 4th week of June can still be "iffy". In fact, this year, FD was on the first weekend that it wasn't cold and raw out. Can't please everyone, so leave well enough alone!

72,

Steve, KD1JV in the white Mountains of New Hampshire  
"melt solder"

-----  
Date: Wed, 5 Jul 2000 13:43:01 -0700  
From: "Jim Johnson" <km7h@kvi.fanz.net>

To: "qrp-1" <qrp-1@lehigh.edu>  
Subject: [74295] FS: OHR 400  
Message-ID: <000501bfe6c1\$9d7f3760\$340bd63f@lynprint>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Nice OHR 400 with built-in keyer. Works well. Asking \$235 plus shipping from Seattle area.

-----  
Date: Wed, 5 Jul 2000 14:58:30 -0600 (MDT)  
From: "Karl F. Larsen" <k5di@zianet.com>  
To: Mike Yetsko <myetsko@insydesw.com>  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [74296] Re: [Elecrafft] Field Day rule adjustment proposal  
Message-ID: <Pine.LNX.4.10.10007051452190.1686-1000000@cannac.ampr.org>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Wed, 5 Jul 2000, Mike Yetsko wrote:

> I'd support the change too! But with a caveat.  
>  
> If we push for a change for QRP, I sorta think it's unfair (then again,  
> maybe it would put a LOT more interest into QRP) to keep the  
> other multipliers for battery and solar. Then again, just because  
> you run QRP doesn't mean you shouldn't get 'something' for solar  
> or battery power.

Based on the past 2 years when EVERY catagory save one was won by QRP stations, why change the rules? I heard that a club in Colorado got 16,000 points in 2A class running QRP this year. This will not be beat. So lets not change anything and fight when someone tries to kill the QRP advantage. We got 10 points for every cw contact! We worked just 550 stations on cw but it's equivelent to a 150 watt station working 5,500 stations.

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

-----  
Date: Wed, 5 Jul 2000 17:01:25 EDT  
From: Kw4cz@aol.com  
To: qrp-1@lehigh.edu  
Subject: [74297] Great LCD Shack/FD Clock  
Message-ID: <44.52209f9.2694fc25@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

Gang,

Just received the 7/3/2000 sales flyer from Radio Shack.

Page 16 (center page) has the following :

Digital LCD Clock RS # 63-959 Sale \$11.99  
Details : CAN be set for UTC  
Backlit (soft blue glow)  
Temperature F or C degrees...your setting choice  
(Great for Shack or FD.... do you REALLY want to know?)  
Date (Follows UTC setting... COOL)  
Small / Fold up cover / Compact  
Lightweight.... uses 1 " AAA " Batt.

Thoughts :

Have used this model for over one year and have nothing but good things to say about it. Really a good addition to any shack or portable station.

Usual disclaimer ya da .. ya da .. ya da. Just satisfied customer.

73,

Gordon kw4cz

-----  
Date: Wed, 5 Jul 2000 17:11:53 -0400  
From: "sergio" <sergio@village-buzz.com>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [74298] circuit board update..  
Message-ID: <02bc01bfe6c5\$a4d8f150\$1000a8c0@sergio>

MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

holy moley!

i had forgotten how crazy this all gets with the circuit boards and stuff!  
wowzers..

just an update.. i packed and shipped about forty packets over the course of  
the weekend, and that take only a small dent out of the pile of orders i  
have to send out..

since i am doing this on the side, i cannot devote my full time to getting  
all the orders out in one fell swoop.. but i will send them out as quickly  
as i can pack and ship..

these are the days you find out who your friends are.. they come to the  
house.. see my hands all cut up and splintered with fiberglass.. and all of  
a sudden.. they have to be somewhere else! phooey on them..

---  
peace,  
sergio  
<http://www.village-buzz.com> <-- the village buzz!  
"quoting other people is really lame and unoriginal.." ..sergio

-----  
Date: Wed, 05 Jul 2000 16:13:04 -0500  
From: Mike <mmorrow@companet.net>  
To: Kw4cz@aol.com  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [74299] Re: Great LCD Shack/FD Clock  
Message-ID: <3963A4E0.4C0@companet.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Kw4cz@aol.com wrote:

> Just received the 7/3/2000 sales flyer from Radio Shack.  
>  
> Page 16 (center page) has the following :  
>

> Digital LCD Clock RS # 63-959 Sale \$11.99  
> Details : CAN be set for UTC

Gordon, I agree with your assessment. I think when you said that it can be set for UTC, you meant that it can be set for 24 hour format. It will only display one time zone.

I carry mine as the station clock for camping trip setups. The temperature indication is nice for such situations.

I did find it was easy to break the little flip-away cover, but the clock still works and sets up well. Maybe I'll get another.

73,

Mike / KK5F

-----  
Date: Wed, 5 Jul 2000 14:12:16 -0700 (PDT)  
From: Monte Stark <ku7y@dri.edu>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [74300] Re: Field Day rule adjustment proposal  
Message-ID: <Pine.GS0.4.10.10007051354530.14641-100000@rotor.dri.edu>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hmmmmmm,

Seems to me that the reasoning behind FD is to simulate an emergency and provide the communications.

When you are talking about doing emergency communications you are really talking about passing traffic at as close to 100% accuracy rates as possible, and as fast as possible, so.....

Maybe the "extra" points should be given to the stations that can put out the best sig's, which would mean not only good antennas but full power also. And all the digital modes.

While I love QRP I really don't think FD is set up to be a QRP event.

Think of it this way:

Running QRP in the field really doesn't present much of



a challange. A small battery, little rig and some wire and you are off and running.

But installing a big antenna, providing power for full power rigs and computers is a BIG challange! :-) Just getting several rigs on the air at the same time without interfering with each other is no simple trick, in most cases!

Just thought you'd all enjoy another view!

Back in my hole.....and a flame cover on the door! :-)

73, Ron

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....  
....ku7y@qsl.net....SOC #2.....Nevada....NRA LIFE....  
.....SOWP 5545M.....WHINERS #1.....ZOMBIE #18.....  
....Visit my Home Page.....<http://www.qsl.net/ku7y/>....

-----

Date: Wed, 5 Jul 2000 17:37:28 -0400  
From: "Mike Yetsko" <myetsko@insydesw.com>  
To: <ku7y@dri.edu>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [74301] Re: Field Day rule adjustment proposal  
Message-ID: <020c01bfe6c9\$3c53c0c0\$2101a8c0@insydesw.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Interesting point. And so is Karls...

But to address yours, one of the aspects of an 'emergency', which as hams we should all at least be cognizant of, is the fact that they are not 'well defined'. In real life then can start any time, and they can end any time. And more often than not, if you plan for an ending in real time, it will go beyond it.

One of my 'pet peeves' is the traffic people who practice every night on a local repeater. Oh, I think it's great that they practice. And they really HAVE to use the repeater sometimes, otherwise how would they 'strut their stuff' and entice other HAMS to joining their ranks? The repeater is the vehicle they use for that.

But they don't practice ONE MINUTE simplex.

Field day has a similar issue. It's not just 'getting to the end' that's important. Sure, for points and contest it is. But if it REALLY is to mean something, you should assess what you did in field day and just try a thought experiment. Could you go longer? Could you recharge for example and stay on the air another 4 days, if it were a real emergency?

With that in mind, having the 'strongest signal' doesn't always mean it's what you should have.

How could this be 'related' to actual operation of field day, and how would this be tied to QRP? Could this ever be 'quantified' and used to generate a score? I don't know. BUT!! QRP operation in my mind IS the way to be prepared!

Mike

> Hmmmmmm,  
>  
> Seems to me that the reasoning behind FD is to simulate  
> an emergency and provide the communications.  
>  
> When you are talking about doing emergency communications  
> you are really talking about passing traffic at as close  
> to 100% accuracy rates as possible, and as fast as possible,  
> so.....  
>  
> Maybe the "extra" points should be given to the stations  
> that can put out the best sig's, which would mean not  
> only good antennas but full power also. And all the digital  
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> Running QRP in the field really doesn't present much of  
> a challenge. A small battery, little rig and some wire  
> and you are off and running.  
>  
> But installing a big antenna, providing power for full  
> power rigs and computers is a BIG challenge! :-) Just  
> getting several rigs on the air at the same time without  
> interfering with each other is no simple trick, in most

> cases!  
>  
> Just thought you'd all enjoy another view!  
>  
> Back in my hole.....and a flame cover on the door! :-)  
>  
> 73, Ron  
>  
> .....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....  
> ....ku7y@qsl.net....SOC #2.....Nevada....NRA LIFE....  
> .....SOWP 5545M.....WHINERS #1.....ZOMBIE #18.....  
> ....Visit my Home Page.....<http://www.qsl.net/ku7y/>.....  
>  
>  
>

-----  
Date: Wed, 05 Jul 2000 17:32:32 EDT  
From: "Wife's Husband" <hubby2k@hotmail.com>  
To: morgantruce@homemail.com  
Cc: qrp-1@lehigh.edu  
Subject: [74302] Re: Help: DSW-40  
Message-ID: <20000705213232.36807.qmail@hotmail.com>  
Mime-Version: 1.0  
Content-Type: text/plain; format=flowed

you need to ground pin 2 BEFORE you turn on power  
grounding it after you turn on power should give you cw characters as it  
cycles thru the keyer options. Grounding pin 3 looks like it will key the  
transmitter, did you have an antenna/dummy load connected? Was D9 properly  
installed? I have a DSW-40 I got at Dayton that has worked fine. Good luck!  
73 - Mike WA8BXN

>From: Halpern <morgantruce@homemail.com>  
>Reply-To: morgantruce@homemail.com  
>To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
>Subject: Help: DSW-40  
>Date: Wed, 05 Jul 2000 15:00:57 -0400  
>  
>I'm having a problem troubleshooting a DSW-40 board I recently  
>assembled. Soon after I applied power, and grounded J2-pin2, I didn't  
>hear a "LOUD tone"--but I heard the audio CW sequence in my phones. Then  
>I ungrounded J2-pin2 and grounded J2-pin3---in a moment diode D-9 lit  
>up, smoked, and blew a fuse in my supply line! I triple checked my

>supply DC polarity.  
>  
>I've sent 3 e-mail messages to Dave Bensen since June 28th which haven't  
>been answered--I assume he is on a much-earned vacation.  
>  
>Can anyone shed some light on this problem?  
>  
>73  
>Gene Halpern, N8HWI  
>

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Date: Wed, 05 Jul 2000 16:38:01 -0500  
From: Mike <mmorrow@companet.net>  
To: ku7y@dri.edu  
Cc: qrp-1@lehigh.edu  
Subject: [74303] Re: Field Day rule adjustment proposal  
Message-ID: <3963AAB9.720@companet.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Ron, you wrote,

> While I love QRP I really don't think FD is set up to be  
> a QRP event.

At least not since the 1930s and 40s, when simple low power CW traffic handling had practical value.

I share your opinion. The station that serves the spirit of emergency communications best would be one capable of at least moderate power levels on several modes, including (yuk) phone and (yuk) digital modes, for an extended period of time. My little CW-only DSW/MFJ/RH NC rigs don't meet that criteria, so what would be the rationale for rewarding the operation of an unsuitable station.

But FD long ago turned into just another contest. Besides that, I doubt that there is much significant help in real stateside emergencies that that could be provided by ham radio anymore. For local comms following a disaster, a box of commercial HTs that could be distributed and used by anyone would be of greater value than an HT that had to have a ham attached to it.

73,

Mike / KK5F

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Date: Wed, 5 Jul 2000 12:04:02 -1000  
From: "Daniel" <hamop@pixi.com>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [74304] Altoids tins  
Message-ID: <200007052203.MAA13153@phoenix.pixi.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 7bit

I got my first Altoids tin recently and I was wondering what kind of projects, whether it's a keyer or radio, would be able to fit inside the tin. Any ideas are welcome. I've seen a few 49'ers and keyers and was wondering if there is anything else out there.

Thanks

Aloha,  
Dan AH7MI

-----  
Date: Wed, 5 Jul 2000 18:15:36 -0400  
From: "Mike Yetsko" <myetsko@insydesw.com>  
To: <mmorrow@companet.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [74305] Re: Field Day rule adjustment proposal  
Message-ID: <030401bfe6ce\$a9cd03a0\$2101a8c0@insydesw.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

On one hand true. But I was just reading this weekend of an 'event' that used HAM radio at an air show with a crash, I think in southeastern PA.

Oh, the Air Force was prepared. Everybody was. But what happened was the crash occurred just as they were winding down and packing up. EVERYBODY'S HTs went dead in the ensuing panic. Except the HAMS pulled out battery packs... The Air Force reportedly conscripted the HAMS and drug them right into the site for communications.

So yes, it can happen. And it CAN screw up. And as HAMs if we don't think of that, then whats the point?

I DO agree that FD has turned into a contest, but the question is how to make that contest relevant.

Mike

----- Original Message -----

From: Mike

> But FD long ago turned into just another contest. Besides that, I doubt  
> that there is much significant help in real stateside emergencies that  
> that could be provided by ham radio anymore. For local comms following  
> a disaster, a box of commercial HTs that could be distributed and used  
> by anyone would be of greater value than an HT that had to have a ham  
> attached to it.  
>  
> 73,  
> Mike / KK5F  
>

-----  
Date: Wed, 5 Jul 2000 23:05:24 +0100  
From: "Andy GM0NWI" <Gm0nwi@tesco.net>  
To: "American QRP List" <qrp-l@lehigh.edu>  
Subject: [74306] Ten Tec Argosy 2 (Digital Display 525) Mod's Please...!  
Message-ID: <000f01bfe6cf\$b7691840\$8d478cd4@q1n3l2>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Listen here`s the story....

I`ve been toyin` with my Argosy for over a year or so now...

My "ham" friend, who I`m sure some of you will have worked or know...Hugh GM4UYE..... has one of these rig`s also, from new..... My Argosy is second-hand from a gentleman here in the UK on this list.... Whislte, in

perfect mint condition, with original manual, mike, box, packing, and 2  
filter's one for CW the other I THINK  
for SSB..... My Argosy just doe's`nt `cut the cheese` compared to  
Hugh's.....

Tonight I worked Jim Lyon's VE2KN, condition's were`nt all that good here,  
much QSB, but we made it...AFTER  
HUGH told me that Jim was on frequency...!! I have in my backyard a 2el up  
12m ..... Hugh has a Rotatory Dipole up  
around 25 ft.... and Jim was 579 with Hugh ....NOTHIN` here with me....

To get back to the story.... Hugh did some mod's to the receiver of his  
Argosy after havin` it for a bit..... Unfortunatley  
he can't find the paperwork.....!!! BA! HUMBUG.....!! So was wonderin` if  
there was some guy's out there that could either  
`shine some light` on my problem..... or if anyone can supply me with  
DEFINATE MOD'S THAT WORK FB.... to help  
me get a `little somethin` more` from my Argosy receiver.....

All in all..... I'm overwhelmed with the way that the rig works..... the  
FULL-break in is truly AMAZIN`....!! NO ..!!!! I don't  
want to have every signal an on the meter reading and S9++++ , just that  
Hugh said his Argosy was a great deal more enjoyable to work with the  
various `mods` he did to it....

Hope that some of you more experienced guy's can help this here `newbie` out  
with this problem....

Thanks for the bandwidth guy's..... CU ALL on 14.058.0....  
72s de Andy gm0nwi@tesco.net  
A.R.S. GM0NWI

"Long Live QRP...!" "All The Best Wishes From Bonnie Scotland.."

GQRP No.9576 "The Weakest Station In The Nation.."

QRP-L No.2165

ICQ No.31899603

"It is vain to do with more..."

what can be done with

less.."

-----  
Date: Wed, 05 Jul 2000 18:28:10 -0400

From: Michael Bower <bowerm@ix.netcom.com>  
To: "NoVaQRP@topica.com" <NoVaQRP@topica.com>, qrp-1 <qrp-1@lehigh.edu>  
Subject: [74307] OT:Need webvideo help for sick person  
Message-ID: <3963B679.50333F2D@ix.netcom.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Hi, folks. This is way off topic but certainly probably well covered here. I need some help.

I have a very sick aunt (80 years old - mind sharp - body bad). She has a condition called Leather Lung which puts her on Oxygen ALL the time.

Because of this condition, she is bed-ridden. (And certainly in great spirits about it, I might add.)

On Saturday, her oldest grandchild is getting married. This is the first grand-child to get married.

We have the complete wedding and function covered for video in that we will video tape everything and run the tape home to her as quickly as possible.

But I was wondering if anybody knows of a way to get her a video feed from the church to her house (20-30 miles) live so that she has a feeling of being there. I envision her having something set up in her room where she can at least watch - even if it is slow-scan TV.

Assumptions:

1) They have web access and so does the church. Unfortunately I wouldn't bet on more than a 56K line at either end. (Where's DSL when we need it?)

2) I don't want this to cost much money. I don't have it and it is a one time shot. (Well, maybe more as she has other grand-children.)

Two ideas come to mind but I'm not an expert in either one:

1) NetMeeting with a webcam at the church end and netmeeting on the aunt's machine at her home. Dial into an ISP from each end. (Someone at work suggested a direct dial from one location to another but that is a 2+ hour long distance call IN-state. Mucho \$\$\$.

2) SlowScan TV across the airways. This is probably harder to get equipment for quickly but I'll consider anything.



All suggestions are appreciated.

TIA

Michael N4NMR

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End of QRP-L Digest 1873

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